Update on Construction and temporary closure of the Salesforce Transit Center

February 14, 2019



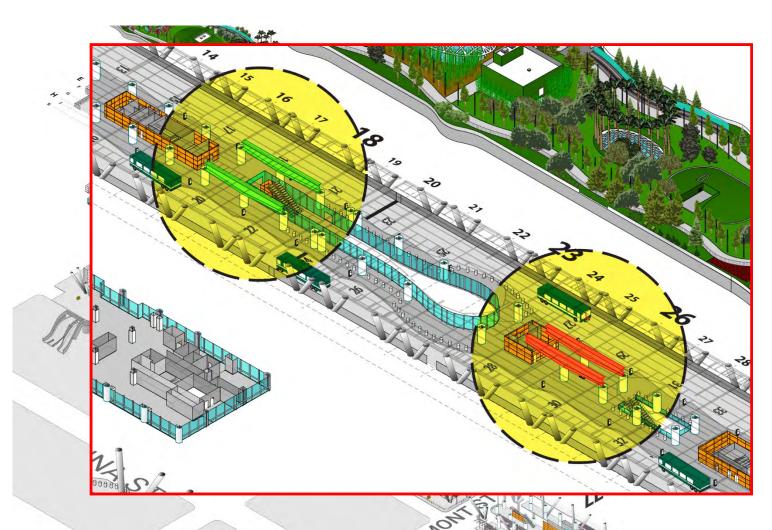


Agenda

- Progress on the Girder Remediation/Repair Effort (Dennis)
- 2. Progress on confirming the Facility-Wide Validation (Ron)

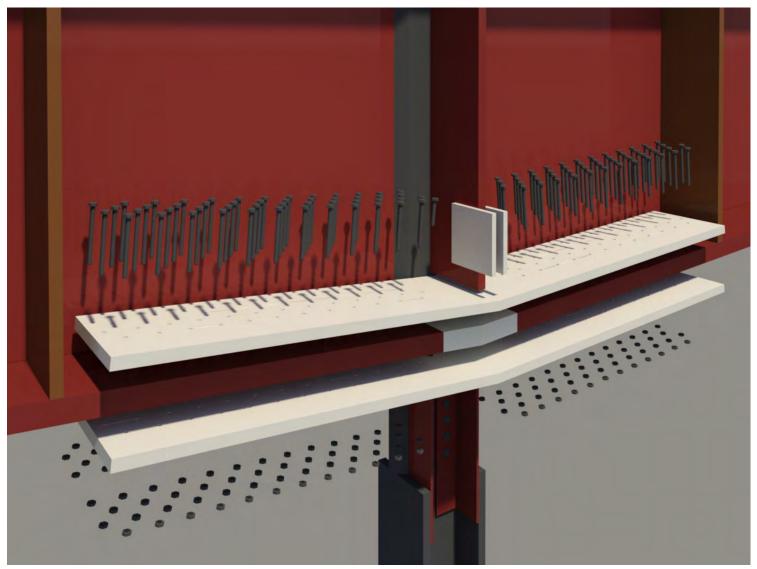


Isometric View





Girder Remediation Detail





Recent Actions

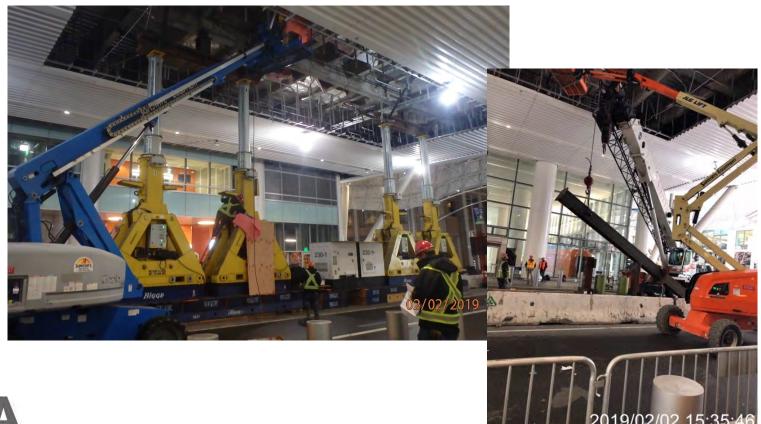
Actions taken since last Board meeting:

- Fremont and First Street remediation material being machined.
- Initial preparation of Fremont street girders has begun.
- Temporary jacks at First Street replaced with steel column shoring.
- Contractor schedule update indicates repair completion no later than June.



Recent Actions

Steel column shoring installed at First street in preparation for the permanent plate installation.





Recent Actions

Sample plate being tested at LPI lab







Next Steps

February 2019 actions:

- Finite Element Analysis (FEA) to be presented to PRP.
- Project Team* continuing their building-wide review to ascertain if other areas need further review and/or inspections.

March 2019 actions:

- Project Team* continues building-wide document and field review.
- Materials arrive onsite.
- Commencement of the Fremont and First street remediation.

Repair/Remediation expected to be completed by June.



Schedule

	January					February			March			April			MAY	
	1/4	1/11	1/18	1/25	2/1	2/8	2/15 2/22	3/1	3/8 3/1	5 3/22	4/5 4/	/12 4/1	19 4/26	5/3 5/1	0 5/17	5/2
MTC ONGOING PEER REVIEW															ONGC	DING
DESIGN FIRST STREET REMEDIATION																
MTC PEER REVIEW FOR REMEDIATION (First Street)																
PERMANENT FIX INSTALLATION																
Procurement & Installation																6/0
SHORING REMOVAL	_															
REINSTALLATION OF SYSTEMS, FINISHES & CEILINGS		1/0)2												ONG	OING
PROJECT TEAM BUILDING-WIDE REVIEW															ONGO	OING
MTC PEER REVIEW BUILDING-WIDE VERIFICATION															ONGO	OING
ONSITE BUILDING STRUCTURAL HEALTH CHECK																



Ongoing Actions

Full Building Structural Health Check

Progression through the successive sieves of the funnel help separate areas which require further research to confirm to be acceptable.

Evaluation Criteria

Focusing on: Plate Thickness, Flame Cut Edges/Corners, Welding, Plate Toughness, High Tensile Stress

Design & Fabrication Details

Review Typical framing bays at Each Level to identify members/connections that warrant further consideration.

Construction Submittals

Identify specific piece marks and review matching mill certificates, piece drawings, Request for Information (RFIs), and fabrication procedures.

QC & QA Documentation

Examine Third Party Inspection Reports, Observation Reports, Test Reports, etc.

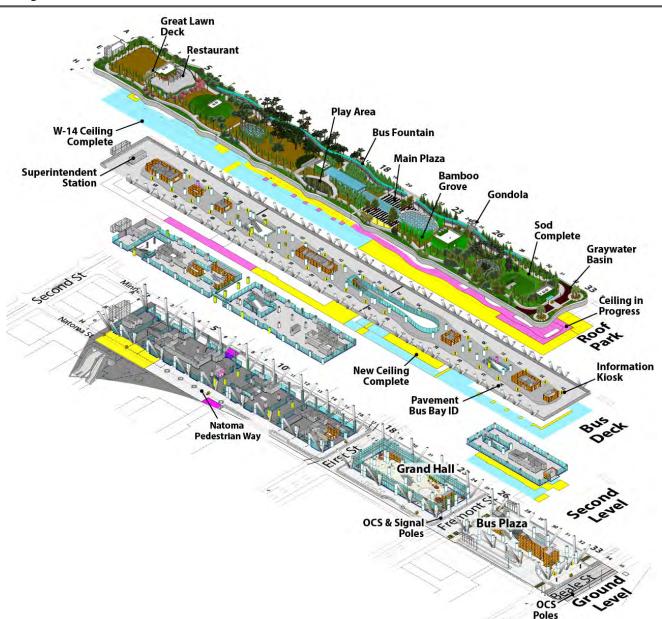
> Onsite Visual Examinations & Testing

> > (if necessary)

Corrective Action Plans

(if necessary)







- Reaffirm Structural Integrity of Building
- Revalidate Full Fire & Life Safety Systems completed in May
- Review Tests & Inspection Records completed in March
- Building Management Systems Commissioning completed in April
- Re-Occupancy Readiness Strategy



- Reaffirm Structural Integrity of Building
 - Complete Engineering Findings & Reports
 - Fracture-related Investigations
 - Complete PRP Remediation Recommendations
 - Follow PRP Building Evaluation Criteria
- Revalidate Full Fire & Life Safety (F&LS) Systems
 - SFFD and Project Team established parameters for Fire
 & Life Safety Systems Recertification
 - Restoration of Localized Interruptions Created by Girder Work underway with activation of various zones scheduled to occur between February and May

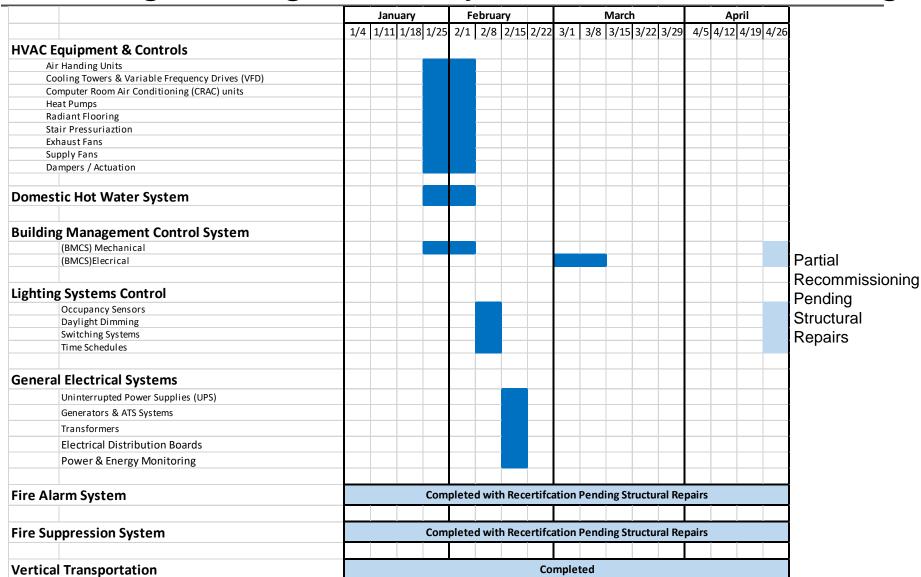


- Review Tests and Inspections
 - Concrete Placement Inspection Reports Review
 - 34,240 Test Cylinders were taken
 - All reviewed and accepted with exception of one pending paperwork
 - Validated all compaction tests for structural concrete
 - Review Field Condition Reports (FCR's) and Non-Compliance Reports (NCR's)
 - Current FCR/NCR Stats:
 - There were 4,647 NCRs/FCRs written to date
 - No Systemic or new issues identified during records review
 - Continue FCR and NCR Process through remediation efforts



- Building Management Systems Commissioning
 - Commissioning Progress
 - Pre-functional Check-list Status:
 - Vertical Transportation Systems Complete
 - Fire/Life/Safety Complete (pending repair completion)
 - HVAC 75% complete or in process (remaining pending repairs)
 - Hot Water, BMS, Lighting & Electrical not started
 - Functional Performance Testing
 - Implement Testing Plan per Schedule (update)
 - Measure, Monitor & Report on Functional Test
 - Validate Systems Performance
 - Closeout Documentation Status:
 - Submitted Items 317
 - Unsubmitted Items 542
 - Normal Operations
 - Continual Systems Operational Parameters Monitored
 - Real-time Systems Reporting and Alarming of Issues or Failures

Building Management Systems Commissioning



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Re-Occupancy Readiness

- Receive Occupancy Clearance by Zones/Floors
 - SFFD, DBI, TJPA Inspectors, Building Commissioning Agents
- Establish Re-Activation Sequence
 - Incremental Activation as early as March to May Timeframe
 - Complete & Occupy Tenant Improvement Spaces
 - TJPA Office Move to 2nd Floor Space Imminent
 - Probable Early Bus Plaza Opening
 - Independent Salesforce Park Opening Plausible
 - Phased Bus Deck Opening Supports Early Activation
- Present Re-Occupancy Schedule March 2019



Thank You

